

CLAIM

I claim:

1. A method for an application management system to allow an Java MIDlet
executing on a mobile information device to access a universal message handler, the

5 method comprising:

receiving from the universal message handler a URI that references the Java
MIDlet;

receiving from the universal message handler a key associated with the URI;

launching the Java MIDlet on the mobile information device;

10 passing the URI to the Java MIDlet; and

passing the key to the Java MIDlet, wherein the Java MIDlet gains access to the
universal message handler by returning the key to the universal message handler.

2. The method of claim 1 further comprising a computer readable medium
15 having stored therein instructions for causing a processor to execute the steps of the
method.

3. The method of claim 1, wherein passing the URI to the Java MIDlet
includes passing the URI to the Java MIDlet via at least one of `getMediaType()`,
20 `getContentType()`, `getMuglet()`, `getReferringURI()` and `getURI()` object-oriented
methods.

4. The method of claim 1, wherein passing the key to the Java MIDlet includes passing the key to the Java MIDlet via at least one of getMediaType(), getContentType(), getMuglet(), getReferringURI() and getURI() object-oriented methods.

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5. The method of claim 1, wherein the key is embedded in the URI passed to the Java MIDlet.

6. The method of claim 1, wherein the Java MIDlet is an instant messaging application.

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7. The method of claim 1, wherein the Java MIDlet is a Java 2 Micro Edition (J2ME) MIDlet.

8. The method of claim 1, wherein the mobile information device is a mobile phone, a personal digital assistant or a two-way pager.

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9. A method for a Java MIDlet executing on a mobile information device to access a universal message handler, the method comprising:

20 receiving from an application management system a URI that references the Java MIDlet;

receiving from the application management system a key associated with the URI;

passing the key to the universal message handler in order to gain access to universal message handler.

10. The method of claim 9, further comprising a computer readable medium
5 having stored therein instructions for causing a processor to execute the steps of the method.

11. The method of claim 9, wherein receiving from the application
management system the URI includes using at least one of getMediaType(),
10 getContentType(), getMuglet(), getReferringURI() and getURI() object-oriented
methods to obtain the URI from the application management system.

12. The method of claim 9, wherein the key is embedded in the URI.

15 13. The method of claim 9, wherein the Java MIDlet is a Java 2 Micro Edition
(J2ME) MIDlet.

14. The method of claim 9, wherein the mobile information device is a mobile
phone, a personal digital assistant or a two-way pager.

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15. A method for a universal message handler to grant access to a Java MIDlet
executing on a mobile information device, the method comprising:

receiving a message on the mobile information device;

generating based on the message a URI that references the Java MIDlet;
providing the URI to an application management system;
providing a key associated with the URI to the application management system;
receiving the key from the Java MIDlet; and
5 in response to receiving the key, allowing the Java MIDlet access to the universal
message handler.

16. The method of claim 15 further comprising a computer readable medium
having stored therein instructions for causing a processor to execute the steps of the
10 method.

17. The method of claim 15, wherein providing a key associated with the URI
comprises embedding the key in the URI and providing the URI to the application
management system.

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18. The method of claim 15, wherein the Java MIDlet is an instant messaging
application.

19. The method of claim 15, wherein the Java MIDlet is a Java 2 Micro
20 Edition (J2ME) MIDlet.

20. The method of claim 15, wherein the mobile information device is a
mobile phone, a personal digital assistant or a two-way pager.